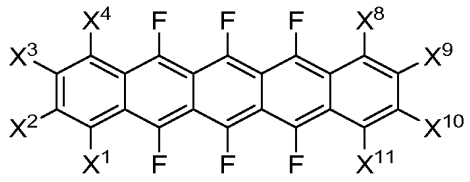
Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (Cancelled).

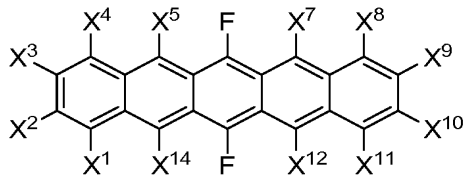
2 (Previously Presented). A compound represented by formula [2]



[2]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

3 (Previously Presented). A compound represented by Formula [3]

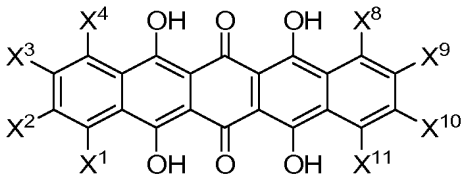


[3]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

4 (Cancelled).

5 (Withdrawn). A method of producing a compound represented by formula [13]

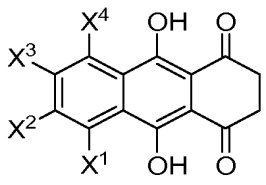


[13]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl

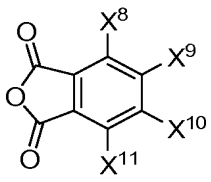
group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group), comprising the step of

producing a compound represented by formula [13] by reacting a compound represented by formula [11]



[11]

(wherein X^1, X^2, X^3, and X^4 represent fluorine, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group) with a compound represented by formula [12]

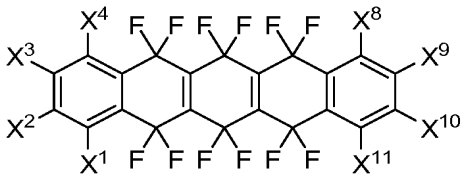


[12]

(wherein X^8, X^9, X^{10}, and X^{11} represent fluorine, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) in the presence of a Lewis acid.

6 (Withdrawn). The production method according to claim 5, wherein the Lewis acid comprises aluminum chloride.

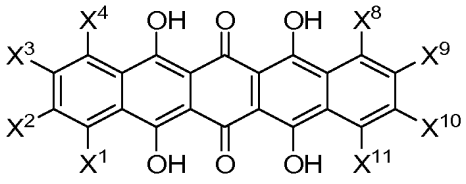
7 (Withdrawn). A method of producing a compound represented by formula [14]



[14]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} are defined as for formula [13]), comprising the step of

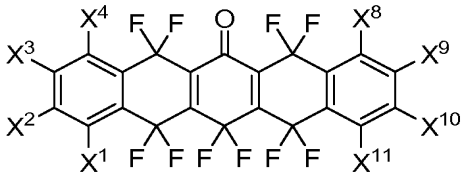
producing a compound represented by formula [14] by reacting a compound represented by formula [13]



[13]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

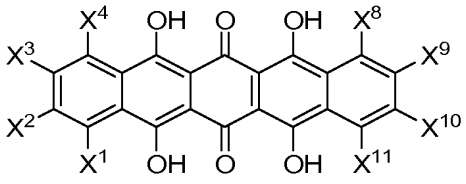
8 (Withdrawn). A method of producing a compound represented by formula [15]



[15]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} are defined as for formula [13]), comprising the step of

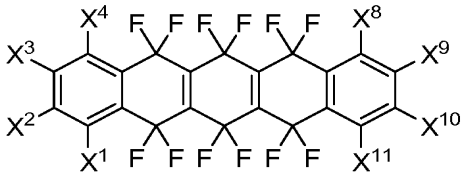
producing a compound represented by formula [15] by reacting a compound represented by formula [13]



[13]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

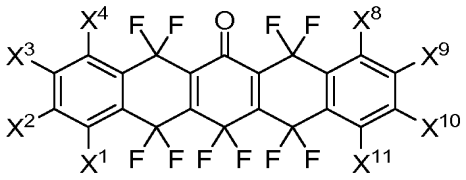
9 (Withdrawn). A method of producing a compound represented by formula [14]



[14]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} are defined as for formula [15]), comprising the step of

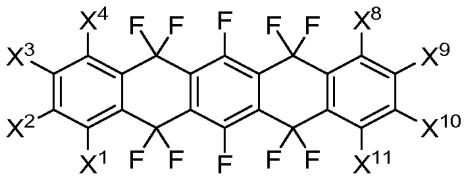
producing a compound represented by formula [14] by reacting a compound represented by formula [15]



[15]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

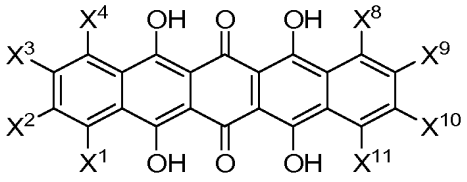
10 (Withdrawn). A method of producing a compound represented by formula [16]



[16]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} are defined as for formula [13]), comprising the step of

producing a compound represented by formula [16] by reacting a compound represented by formula [13]

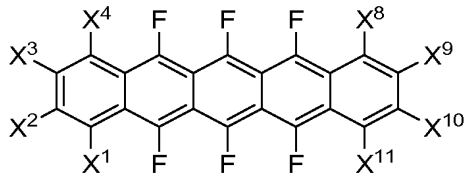


[13]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

11 (Withdrawn). The production method according to any of claims 7 to 10, wherein the fluorinating agent comprises sulfur tetrafluoride.

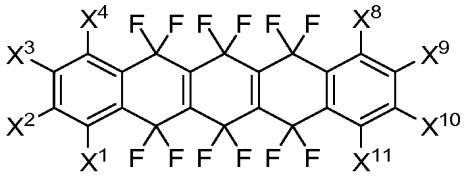
12 (Withdrawn). A method of producing a compound represented by formula [2]



[2]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} are defined as for formula [14]), comprising the step of

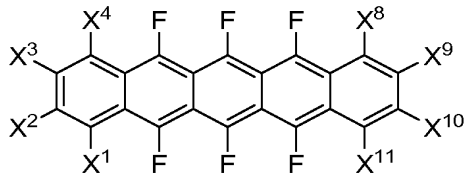
producing a compound represented by formula [2] by reacting a compound represented by formula [14]



[14]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a reducing agent.

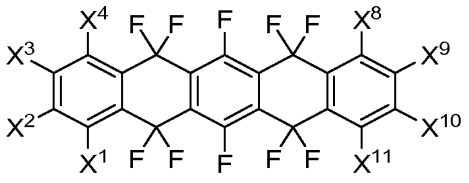
13 (Withdrawn). A method of producing a compound represented by formula [2]



[2]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} are defined as for formula [16]), comprising the step of

producing a compound represented by formula [2] by reacting a compound represented by formula [16]

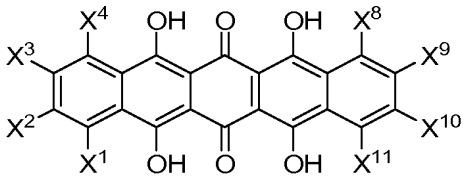


[16]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a reducing agent.

14 (Withdrawn). The production method according to claim 12 or 13, wherein the reducing agent comprises zinc, iron, copper, nickel, palladium, or a combination thereof.

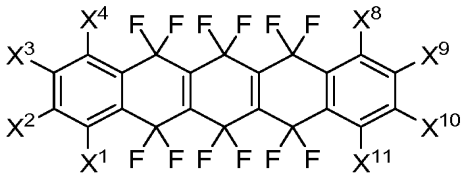
15 (Withdrawn). A compound represented by formula [13]



[13]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

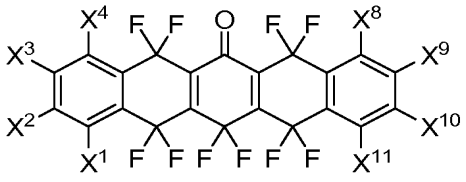
16 (Withdrawn). A compound represented by formula [14]



[14]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

17 (Withdrawn). A compound represented by formula [15]

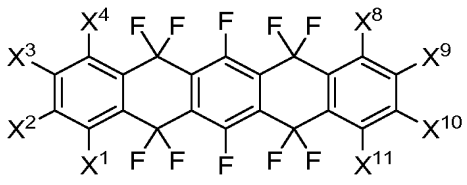


[15]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl

group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

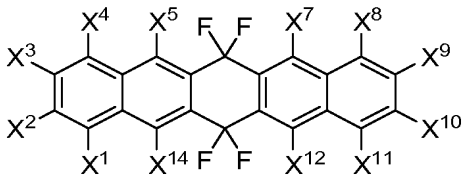
18 (Withdrawn). A compound represented by formula [16]



[16]

(wherein X^1, X^2, X^3, X^4, X^8, X^9, X^{10}, and X^{11} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

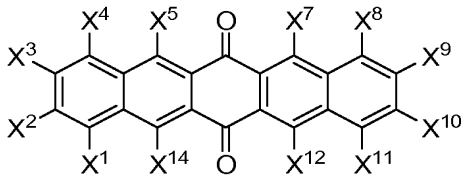
19 (Withdrawn). A method of producing a compound represented by formula [22]



[22]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} are defined as for formula [21]), comprising the step of

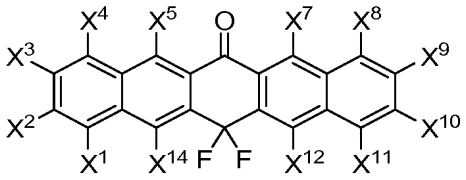
producing a compound represented by formula [22] by reacting a compound represented by formula [21]



[21]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

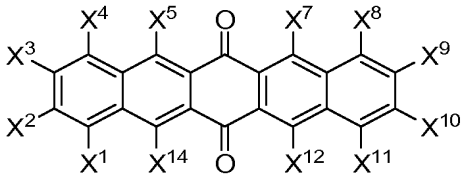
20 (Withdrawn). A method of producing a compound represented by formula [23]



[23]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} are defined as for formula [21]), comprising the step of

producing a compound represented by formula [23] by reacting a compound represented by formula [21]

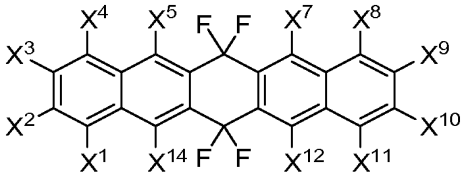


[21]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group

and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

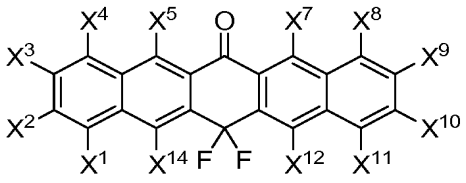
21 (Withdrawn). A method of producing a compound represented by formula [22]



[22]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} are defined as for formula [23]), comprising the step of

producing a compound represented by formula [22] by reacting a compound represented by formula [23]



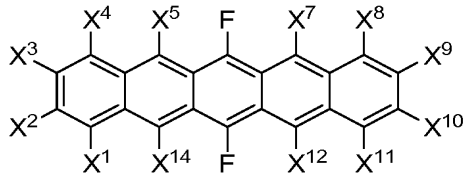
[23]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to

form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

22 (Withdrawn). The production method according to any of claims 19 to 21, wherein the fluorinating agent comprises sulfur tetrafluoride.

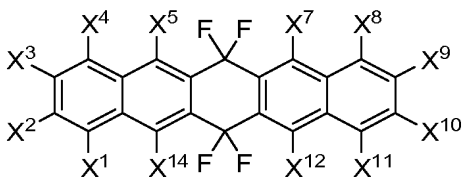
23 (Withdrawn). A method of producing a compound represented by formula [3]



[3]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} are defined as for formula [22]), comprising the step of

producing a compound represented by formula [3] by reacting a compound represented by formula [22]



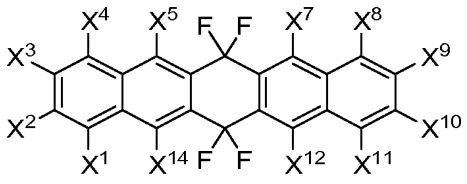
[22]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8}

alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a reducing agent.

24 (Withdrawn). The production method according to claim 23, wherein the reducing agent comprises zinc, iron, copper, nickel, palladium, or a combination thereof.

25 (Withdrawn). A compound represented by formula [22]

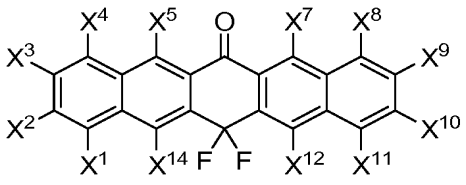


[22]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted

naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

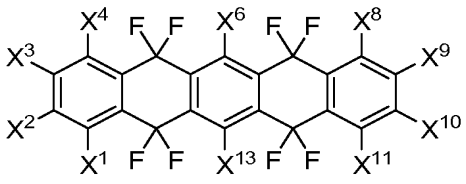
26 (Withdrawn). A compound represented by formula [23]



[23]

(wherein X^1, X^2, X^3, X^4, X^5, X^7, X^8, X^9, X^{10}, X^{11}, X^{12}, and X^{14} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).

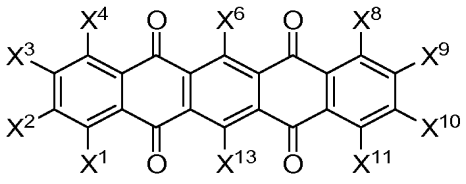
27 (Withdrawn). A method of producing a compound represented by formula [32]



[32]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} are defined as for formula [31]), comprising the step of

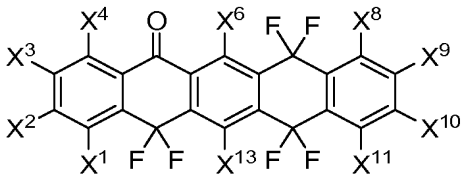
producing a compound represented by formula [32] by reacting a compound represented by formula [31]



[31]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

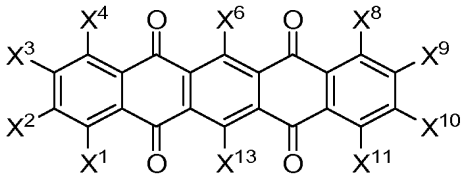
28 (Withdrawn). A method of producing a compound represented by formula [33]



[33]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} are defined as for formula [31]), comprising the step of

producing a compound represented by formula [33] by reacting a compound represented by formula [31]

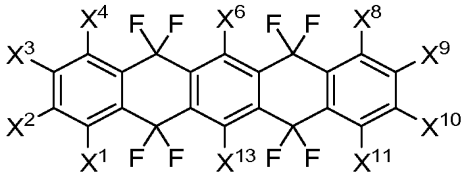


[31]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group

and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

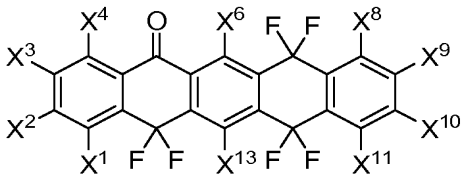
29 (Withdrawn). A method of producing a compound represented by formula [32]



[32]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} are defined as for formula [33]), comprising the step of

producing a compound represented by formula [32] by reacting a compound represented by formula [33]



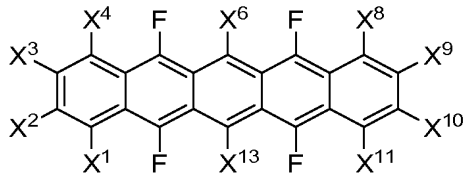
[33]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to

form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

30 (Withdrawn). The production method according to any of claims 27 to 29, wherein the fluorinating agent comprises sulfur tetrafluoride.

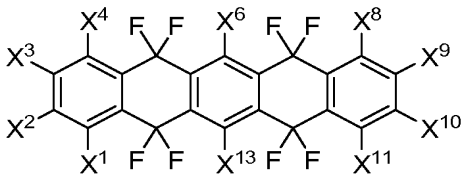
31 (Withdrawn). A method of producing a compound represented by formula [4]



[4]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} are defined as for formula [32]), comprising the step of

producing a compound represented by formula [4] by reacting a compound represented by formula [32]



[32]

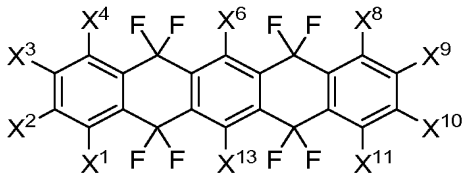
(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl

group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group) with a reducing agent.

32 (Withdrawn). The production method according to claim 31, wherein the reducing agent comprises zinc, iron, copper, nickel, palladium, or a combination thereof.

33 (Cancelled).

34 (Withdrawn). A compound represented by formula [32]



[32]

(wherein X^1, X^2, X^3, X^4, X^6, X^8, X^9, X^{10}, X^{11}, and X^{13} represent fluorine, hydrogen, a substituted or unsubstituted C_{1-8} alkyl group, a substituted or unsubstituted phenyl group, a

substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X^2 is bonded to X^3 to form a monocyclic or condensed polycyclic hydrocarbon group and/or X^9 is bonded to X^{10} to form a monocyclic or condensed polycyclic hydrocarbon group).